

WHAT IS CLAIMED IS:

1. A Dedicated Short-Range Communications (DSRC) on-board unit with an adhesive material comprising:
 - an antenna and a radio portion for communicating with roadside radio equipment;
 - a data processing portion for processing data received from said radio portion;
 - a housing in which at least said antenna, said radio portion, and said data processing portion are housed; and
 - an adhesive material having a first surface affixed to said housing and a second surface for affixing to a vehicle window,
 - wherein:
 - a protruding portion engaged with said adhesive material is disposed on said housing.
2. A Dedicated Short-Range Communications (DSRC) on-board unit with an adhesive material comprising:
 - an antenna for communicating with roadside radio equipment;
 - a housing in which only said antenna is housed; and
 - an adhesive material having a first surface affixed to said housing and a second surface for affixing to a vehicle window,
 - wherein:
 - a protruding portion engaged with said adhesive material is disposed on said housing.
3. The Dedicated Short-Range Communications (DSRC) on-board unit with an adhesive material according to Claim 1, wherein:
 - said protruding portion is fitted into an aperture formed on said adhesive material.

4. The Dedicated Short-Range Communications (DSRC) on-board unit with an adhesive material according to Claim 1, wherein:

 a height of said protruding portion is less than a thickness of said adhesive material.

5. The Dedicated Short-Range Communications (DSRC) on-board unit with an adhesive material according to Claim 1, wherein:

 a leading end surface of said protruding portion is a flat surface.

6. The Dedicated Short-Range Communications (DSRC) on-board unit with an adhesive material according to Claim 1, wherein:

 antenna characteristics are matched by adjusting a shape of said antenna.